

AMENDMENTS TO THE CLAIMS

In the claims:

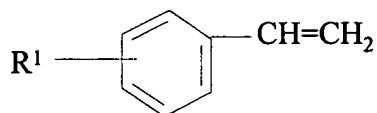
Please cancel claims 1-10, 15, 17 and 18 without prejudice.

Please amend claims 11-14 and 16, as indicated herein.

Please add claims 19-23, as indicated herein.

1-10 (Cancelled)

11. (Currently amended) A resin composition comprising the copolymerization reaction product of a monomer mixture comprising: (1) about 5% to about 25% by weight of a monomer compound of the formula:



I

wherein R¹ is H, C₁₋₁₀ linear or branched aliphatic or aromatic, OH or OR, wherein R is alkyl or acyl; and (2) about 75% to about 95% by weight ~~based on the total monomer content~~ of a cyclic diolefin component comprising at least about 50% by weight dicyclopentadiene, wherein the ~~reaction product~~ resin has a Mz of less than about 2,000, said resin made by the process comprising the steps of (i) providing a solvent to a reactor; (ii) heating said solvent to a temperature of about 200°C to about 265° C; and (iii) adding a the monomer mixture to the reactor comprising about 5 to about 25% by weight of the compound of formula I in combination with about 75 to about 95% dicyclopentadiene monomer, at a rate such that the concentration of free to consume the monomer compound of formula I monomer at the rate at which it is added in the reactor is held at a minimum at any given time of the reaction to minimize the formation of monomer compound homopolymer.

12. (Currently amended) The resin composition of claim 11 wherein said ~~resin composition~~ monomer compound of formula I is selected from the group consisting of styrene, α-methylstyrene, 4-methylstyrene, and mixtures thereof.

13. (Currently amended) The resin composition of claim ~~44~~ 12 wherein said ~~resin composition~~ monomer compound is styrene.

14. (Currently amended) The resin composition of claim 12 wherein the monomer mixture ~~step (iii)~~ comprises ~~adding~~ about 5 to about 15% by weight of the monomer compound of formula I ~~in combination with~~ and about ~~75~~ 85 to about 95% dicyclopentadiene monomer.

15. (Cancelled)

16. (Currently amended) The resin composition of claim 11 wherein said process further ~~comprising~~ comprises (iv) recovering at least a portion of the solvent and unconverted monomer reactants ~~selected from the group consisting of a compound of formula I and monomer content of a cyclic diolefin and recovered solvent~~ and (v) adding the recovered solvent and unconverted monomer reactants to the solvent of step (i).

17. (Cancelled)

18. (Cancelled)

19. (New) The resin composition according to Claim 1 wherein said cyclic diolefin is pure dicyclopentadiene or mixtures of dicyclopentadiene with codimers; wherein said codimers comprise cyclopentadiene and another diolefin selected from the group consisting of methylcyclopentadiene, indene, isoprene, butadiene, and piperylene.

20. (New) The resin composition according to Claim 1 wherein said resin composition has a Ring and Ball softening point in the range of about 90°C to 140°C.

21. (New) The resin composition according to Claim 1 wherein said resin composition has a Mz ranging from about 1,200 to about 2,000.

22. (New) The resin composition according to Claim 1 wherein said resin composition has a maximum Mw of about 1,000.

23. (New) The resin composition according to Claim 1 wherein said resin composition has a maximum polydispersity of about 2.5.